

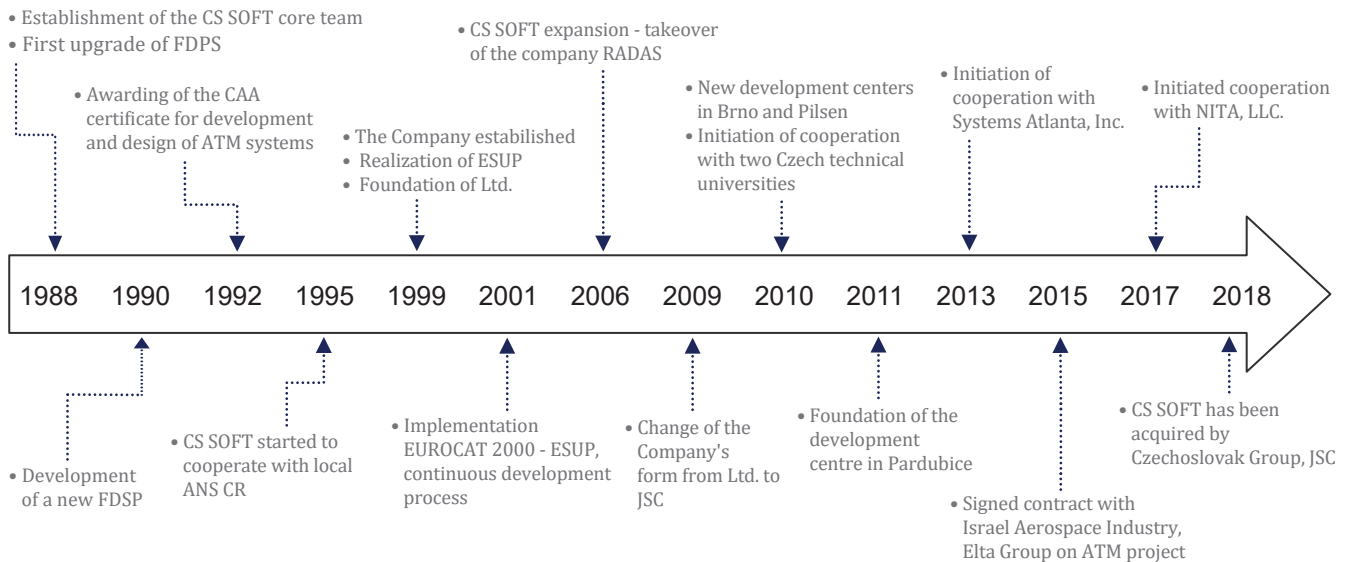


## COMPANY PROFILE

### ABOUT COMPANY

CS SOFT is an experienced supplier of state-of-the-art ATM systems from the Czech Republic. Within a few years, CS SOFT has transformed from a small Czech-based business pioneering in ATM software into a dynamic European company with advanced software development methodology and project management. The expertise and core competences of the staff are based upon more than two decades of professional aviation programming and implementation. In fact, our systems have been jointly developed with ATCOs, airports, handling agencies, emergency service units etc. As of today, CS SOFT's systems have been successfully deployed on four continents. Our most significant customers are: Air Navigation Services of the Czech Republic, Lithuanian Oro Navigacija, Slovenian Air Navigation Service and Israel Airports Authority. Company CS SOFT is member of industrial group CZECHOSLOVAK GROUP and its division CSG Aerospace.

### COMPANY MILESTONES



### CERTIFICATES

All CS SOFT products comply with high demands for functionality, safety and reliability, which are determined by legal and professional regulations. In particular ESARR 4, ESARR 6, EC No. 552/2004, EC No. 482/2008, EU No. 1035/2011. An integral part of high quality development is strict implementation of EN ISO 9001:2015, ED-153 and IEEE12207 in accordance with the SAM methodology (Safety Assessment Methodology) recommended by EUROCONTROL.



CS SOFT is certified by IQNET and CQS for processes of software administration, development, design and supply of ground facilities and ATM equipment aeronautical maintenance



CS SOFT is certified by Civil Aviation Authority of Czech Republic to develop, produce, maintain, repairs, install and modify Aeronautical Ground Facilities

## MAIN AREAS OF ACTIVITY

### **Systems for Air Traffic Control**

CS SOFT designs and develops systems for area control (ACC), approach services (APP), tower services (TWR) and flight information service (FIS). The complete ATC systems and the separate system modules assist in processing of the flight plan data and surveillance data, which are essential for maintaining accurate overview of the air traffic situation; flight trajectory computations; evaluation of conflicting trajectories etc.

### **Systems for Airports & Ground Services**

CS SOFT also develops two integrated systems enabling secure distribution of sensitive surveillance data between various airport entities (ARFF, handling agencies etc.); communication between air navigation services and the airport; data visualization; information precision and sophisticated prediction.

## MAIN PRODUCTS

### **ESUP**

- ➔ Flight data processing system
- ➔ Seamless integration into an existing ATC environment thanks to high level of modularity and customizability
- ➔ Easy setting of interoperability
- ➔ Sophisticated two-way AFTN module (AFTN Daemon)
- ➔ OLDI complying with EUROCONTROL standard and adjustable to local needs
- ➔ Progressive 4D trajectory prediction
- ➔ FPL track for procedural control
- ➔ Datalink server interface

### **ALS System**

- ➔ Air traffic management system
- ➔ All data (radar & non-radar) accessible from both controllers' positions (EC & PLC)
- ➔ Seamless controller-pilot and controller-controller communication
- ➔ Degradation resistant CWS
- ➔ Complex position information
- ➔ Wide range of non-radar presentation options
- ➔ Safety Nets, monitoring aids and conflict detecting tools
- ➔ Easy adjustment thanks to high level of parameterization
- ➔ Billing and statistics outputs
- ➔ Hard copy of traffic situation
- ➔ Record and replay features

### **TRACKER**

- ➔ Multitracker system handles a wide range of surveillance data sources
- ➔ Deploys advanced tracking procedures and displays real-time air situation
- ➔ Decentralization in surveillance data processing
- ➔ Cooperation with external SDP and FDP systems
- ➔ Complete range of data sources and input/output formats
- ➔ Nonstop operational availability
- ➔ Civil and military deployment capability
- ➔ Low investment and operating costs thanks to standard platform (x86/Linux)

### **ATC SIMULATOR**

- ➔ Follows the concept of Hi-Fi (high fidelity)
- ➔ Accurate copy of ATCO's workplace
- ➔ Possible use for ACC, APP and TWR
- ➔ Used for all kinds of training
- ➔ Precise simulation of air traffic and aircraft flow
- ➔ Dynamic correction of traffic density, meteorological data, pseudo pilots, interventions etc.
- ➔ Highly modifiable CWS
- ➔ Wide range of practice settings
- ➔ Record and replay tools